

PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Bo
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☐ 1: Frigerio JM, et al. Cloning, sequencing and
expre...[PMID:7772601]

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UI - 95290496
 PMID- 7772601
 DA - 19950710
 DCOM- 19950710
 LR - 20001218
 IS - 0006-3002
 VI - 1262
 IP - 1
 DP - 1995 May 17
 TI - Cloning, sequencing and expression of the L5, L21, L27a, L28, S5, S9, S10
 and S29 human ribosomal protein mRNAs.
 PG - 64-8
 AB - During systematic analysis of the mRNAs expressed in a human colorectal
 carcinoma with the aim of evidencing new makers of the disease (Frigerio
 et al. (1995), in press), we isolated several clones corresponding to
 homologs of rat ribosomal protein mRNAs L5, L21, L27a, L28, S5, S9, S10
 and S29. Because expression of several mRNAs encoding ribosomal proteins
 was found strongly altered during colorectal carcinogenesis, sequence of
 these transcripts, not previously described in human, was completed and
 their expression analyzed. Northern blot analysis of RNAs extracted from
 colorectal cancer and adjacent normal tissue from 6 patients revealed in
 all of them perturbations of expression in cancer, compared to normal. No
 correlation could however be made between the level of expression and the
 severity of the disease. Yet, abnormal patterns with additional larger
 transcripts were observed in some patients for rpL5, rpL28 and rpS10.
 AD - U.315 INSERM, Marseille, France.
 FAU - Frigerio, J M
 AU - Frigerio JM
 FAU - Dagorn, J C
 AU - Dagorn JC
 FAU - Iovanna, J L
 AU - Iovanna JL
 LA - eng
 SI - GENBANK/U14966
 SI - GENBANK/U14967
 SI - GENBANK/U14968
 SI - GENBANK/U14969
 SI - GENBANK/U14970
 SI - GENBANK/U14971
 SI - GENBANK/U14972
 SI - GENBANK/U14973
 PT - Journal Article
 CY - NETHERLANDS
 TA - Biochim Biophys Acta
 JID - 0217513
 RN - 0 (DNA Primers)

RN - 0 (RNA, Messenger)
RN - 0 (Ribosomal Proteins)
SB - IM
MH - Amino Acid Sequence
MH - Animal
MH - Base Sequence
MH - Cloning, Molecular
MH - Colon/metabolism
MH - Colorectal Neoplasms/genetics
MH - DNA Primers
MH - Human
MH - Molecular Sequence Data
MH - RNA, Messenger/*genetics
MH - Rats
MH - Rectum/metabolism
MH - Ribosomal Proteins/chemistry/*genetics
EDAT- 1995/05/17
MHDA- 1995/05/17 00:01
PST - ppublish
SO - Biochim Biophys Acta 1995 May 17;1262(1):64-8.

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☐ 1: J Clin Lab Anal. 1997;11(6):340-2.

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Fast isolation of RNA to detect expression of tumor markers.

Schenk JA, Hillebrand T, Lubbe L, Heymann S, Bottger M, Micheel B, Bendzko P.

PubMed Services

Max Delbrück Center for Molecular Medicine (MDC) Berlin-Buch, Berlin, Germany.

Related Resources

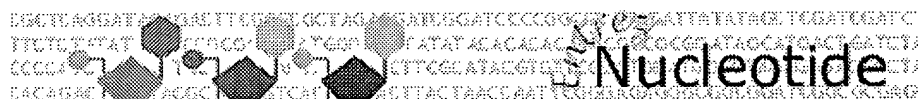
The expression status of several tumor-related proteins is of great interest in clinical examination and research. As a completion to conventional antibody staining, RT-PCR is often used today. Reliable isolation of RNA from a low number of cells is very often a critical stage of such an examination. We demonstrate here a simple and fast method to isolate RNA from only 10,000 cells and applied it to the detection of CEA, c-ERB-B2, and mdr-1 as often studied models for tumor markers.

PMID: 9406053 [PubMed - indexed for MEDLINE]

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cDNA clone CA5, mRNA sequence
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AF077296 Yunnan Tin miner lung cancer tissue mRNA Homo sapiens
cDNA clone CG8, mRNA sequence
gi|3342066|gb|AF077296.1|AF077296[3342066]

AF077295 Yunnan Tin miner lung cancer tissue mRNA Homo sapiens
cDNA clone CG7, mRNA sequence
gi|3342065|gb|AF077295.1|AF077295[3342065]

AF077294 Yunnan Tin miner lung cancer tissue mRNA Homo sapiens
cDNA clone CC6, mRNA sequence
gi|3342064|gb|AF077294.1|AF077294[3342064]

Related resources

Revised: October 24, 2001.

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